

**THE CHARACTERIZATION OF *HUPB* GENE ENCODING
HISTONE LIKE PROTEIN OF *MYCOBACTERIUM TUBERCULOSIS***

ABSTRACT OF THE DISCLOSURE

Oligonucleotide primers for specific amplification of the *hupB* gene of *Mycobacterium* species selected from the group consisting of Seq ID No. 1, Seq ID No. 2, Seq ID No. 3, Seq ID No. 4, Seq ID No. 5 and a method for differentiating *Mycobacterium* species based on target gene encoding for histone like proteins such as *hupB* comprising of (a) obtaining DNA from culture or from clinical samples, b) amplifying a part of the target gene encoding for histone like proteins such as *hupB* of *Mycobacterium* species using DNA as a template in a polymerise chain reaction with a pair of oligonucleotide primers, c) detecting said amplified fragment of the *hupB* gene to detect the presence of *Mycobacterial* species or not and differentiating *Mycobacterium tuberculosis* from *Mycobacterium bovis* based on the size of the amplified fragment.